



Our File No.: FSII 303

DECLARATION FOR PATENT APPLICATION
English Language Declaration

COPY

As a ~~patent~~ inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**APPARATUS AND METHODS FOR
INFRARED CALORIMETRIC MEASUREMENTS**

the specification of which: (check one)

X is attached hereto.
_____ was filed on _____ as Application Serial No. _____
and was amended on _____

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

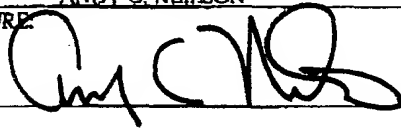
I hereby claim the benefit under Title 35, United States Code, § 119(c) of any United States provisional applications listed below and under Title 35, United States Code, § 120 of any United States applications listed below. Insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States provisional applications and United States applications in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

<u>60/249,931</u>	<u>November 17, 2000</u>	<u>Pending</u>
<u>60/256,852</u>	<u>December 19, 2000</u>	<u>Pending</u>
<u>09/764,963</u>	<u>January 17, 2001</u>	<u>Pending</u>
(Application Serial No.)	(Filing Date)	(Status)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full name of

first inventor: ANDY C. NEILSON

INVENTOR'S SIGNATURE: 

DATE: 1-31-01

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Citizenship: United States of America
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Full name of

second inventor: JAY S. TEICH

INVENTOR'S SIGNATURE: 

DATE: 2/1/01

Residence: 64 Webster Road, Weston, Massachusetts 02193
Citizenship: United States of America
Post Office Address: 64 Webster Road, Weston, Massachusetts 02193

* U.S. Patent Application Serial No. _____, filed January 17, 2001, of inventors Andy C. Neilson and Jay S. Teich, entitled APPARATUS AND METHODS FOR INFRARED CALORIMETRIC MEASUREMENTS



APPARATUS AND METHODS FOR
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Cross-References

5 This application is based upon and claims benefit under 35 U.S.C. § 119 of the following U.S. Provisional Patent Applications, each of which is incorporated herein by reference: Serial No. 60/249,931, filed November 17, 2000; and Serial No. 60/256,852, filed December 19, 2000.

This application is a continuation of U.S. Patent Application Serial No. 09/764,963,
10 filed January 17, 2001, titled APPARATUS AND METHODS FOR INFRARED CALORIMETRIC MEASUREMENTS, and naming Andy C. Neilson, Jay S. Teich, Michael R. Sweeney, James D. Orrell III, Marc Samson, John M. Hopkins, and Michael W. Oster as inventors.

Field of the Invention

15 The invention relates to calorimetry. More particularly, the invention relates to apparatus and methods for performing calorimetry that use optical devices to detect thermal processes and/or multiwell sample plates to support samples for use with such optical devices.

Background of the Invention

20 Thermodynamics has established the interrelationship between various forms of energy, including heat and work. Moreover, thermodynamics has quantified this interrelationship, showing, for example, that in chemical and physiological processes the difference between the energy of the products and the energy of the reactants is equal to